

MULTIWAX ML-445 H

Date of issue: 01.12.2010

Sonneborn Refined Products B.V. urges the recipient of this Safety Data Sheet to study it carefully to become aware of hazards, if any, of the product involved. In the interest of safety you should (1) notify your employees, agents and contractors of the information on this sheet,(2) furnish a copy to each of your customers for the product, and (3) request your customers to inform their employees and customers as well.

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Identification of the substance or preparation

Wax

Use of substance/preparation:

Microcrystalline waxes are typically used as blending base in a variety of applications including cosmetic, pharmaceutical, food and general industrial.

Company identification

Sonneborn Refined Products B.V.
Mainhavenweg 6
1043 AL Amsterdam
The Netherlands
Tel: +31-20-6117475
Fax: +31-20-6111170
E-mail: QEHS@sonneborn.com

Emergency telephone number

Tel.: +31.20.611.74.75

2. HAZARDS IDENTIFICATION

EC/GHS Classification : Not classified as dangerous under EC/GHS-criteria

Human Health Hazards : None

Physico-chemical and environmental hazards and effects: None

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT	HAZARD	DANGER SYMBOL(S)
Wax			
No hazardous components			

4. FIRST AID MEASURES

Swallowing

Do not induce vomiting. Obtain medical attention immediately.

Inhalation

No emergency care anticipated.

MULTIWAX ML-445 H

Skin contact

No emergency care anticipated.

Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

Notes to physician

None

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable : Extinguish with:
- dry chemical
- carbon dioxide (in case of small fires)
- water fog
- foam
- sand or earth

Unsuitable : Do not use water jet.

Special fire fighting procedures

Do not direct a solid stream of water or foam into burning material; this may cause spattering and spread the fire.

Special protective equipment for firefighters

Self-contained breathing apparatus.

Unusual fire and explosion hazards

Following products may be produced during a fire: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Avoid runoff to sewers or waterways. Dike area of spill to prevent spreading and pump liquid to salvage tank. Waste: avoid washing into watercourses. Use methods consistent with local regulations or incinerate.

Methods for cleaning up

Dike to contain spill. Absorb on inert material such as sand, earth, vermiculite. Stop the leak if it can be done without risk.

7. HANDLING AND STORAGE

HANDLING

Do not handle at temperatures $> +60\text{ }^{\circ}\text{C}$

Ventilation

General (mechanical) room ventilation is expected to be satisfactory for use at room temperature.

STORAGE**Storage requirements**

Keep away from heat, sparks and flame. Do not store at temperatures: $>+ 35^{\circ}\text{C}$,
when molten at temperatures $>+ 100^{\circ}\text{C}$

Store protected from light

MULTIWAX ML-445 H

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

No exposure limits have been established

OCCUPATIONAL EXPOSURE CONTROLS

Respiratory protection

None expected to be needed.

Hand protection / protective gloves

Personal protectives: WHEN MOLTEN ONLY.

Wear gloves impervious to this material

Eye protection

Personal protectives: WHEN MOLTEN ONLY.

Safety glasses.

Faceshield

Skin protection

Personal protectives: WHEN MOLTEN ONLY.

Overalls

Environmental Exposure Controls

None expected to be needed

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : Solid

Odor : None

Important health, safety and environmental information

Flash point : > 250 °C Method: ASTM D92

Upper explosion limits : Not determined

Lower explosion limits : Not determined

Vapor pressure : < 0,1 hPa at 20 °C

Density : 0,80 g/cm³ at 100 °C

Bulk density : Not available

Solubility in water : Negligible

Kinematic viscosity : 13-18 mm²/s at 100 °C

MULTIWAX ML-445 H

Other information

Melting point : 60 – 90 °C / Method ASTM D 127

Autoignition temperature : Not determined

10. STABILITY AND REACTIVITY

STABILITY

Stable.

Conditions to avoid

Extremes of temperature and direct sunlight

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

No hazardous decomposition products to be formed during normal storage

Combustion may produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

GENERAL

No evidence of harmful effects from available information.

12. ECOLOGICAL INFORMATION

Most hydrocarbon components of these substances will have little or no tendency to partition to air. The half lives for degradation of these hydrocarbons by reaction with hydroxyl radicals, in the troposphere, under the influence of sunlight, will all be less than one day, by extrapolation from the data quoted by Atkinson. Accordingly, any hydrocarbon material which does partition to air will be rapidly photodegraded. (Ref.: Atkinson, R., Gas-phase tropospheric chemistry of organic compounds: a review, Atmos. Environ., vol 24 A, pp. 1-41, 1990)

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations or incinerate.

14. TRANSPORT INFORMATION

ADR/RID

This product is not regulated by ADR.

IMDG

This product is not regulated by IMDG.

ICAO

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

MULTIWAX ML-445 H

EC/GHS classification

According to EC/GHS-regulations this product is not classified or labelled.

Chemical Inventory

Europe : This product is on the EINECS inventory.

16. OTHER INFORMATION

Recommended uses and restrictions

Please consult the product and/or application information bulletins for this product.

Further information

Where appropriate, use CE approved personal protection equipment.

|| A vertical line in the left margin of the report indicates a change compared to the previous version.

This Safety Data Sheet conforms to EC Directive 1907/2006 and amendments.

The opinions expressed herein are those of qualified experts within Sonneborn Refined Products B.V.. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Sonneborn Refined Products B.V., it is the user's obligation to determine the conditions of safe use of the products.